How to Reconnect an Alligator Clamp to a Battery Charging Cable

This guide covers repairing a battery charging cable by reconnecting an alligator clamp back to the battery charging cable. This repair can also apply to many sets of charging cables, such as jumper cables.

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INTRODUCTION

Battery charging cables can become damaged and rendered inoperable because of a loose or faulty connection to the alligator clamps. This damage could be caused by wear and tear or corrosion. This guide will help you remedy this problem.

TOOLS:

- Vice Grips (1)
- Razor Blade (1)
- Wire cutters/side cutters (1)
- Wire stripper/crimping tool (1)

PARTS:

- None (1)

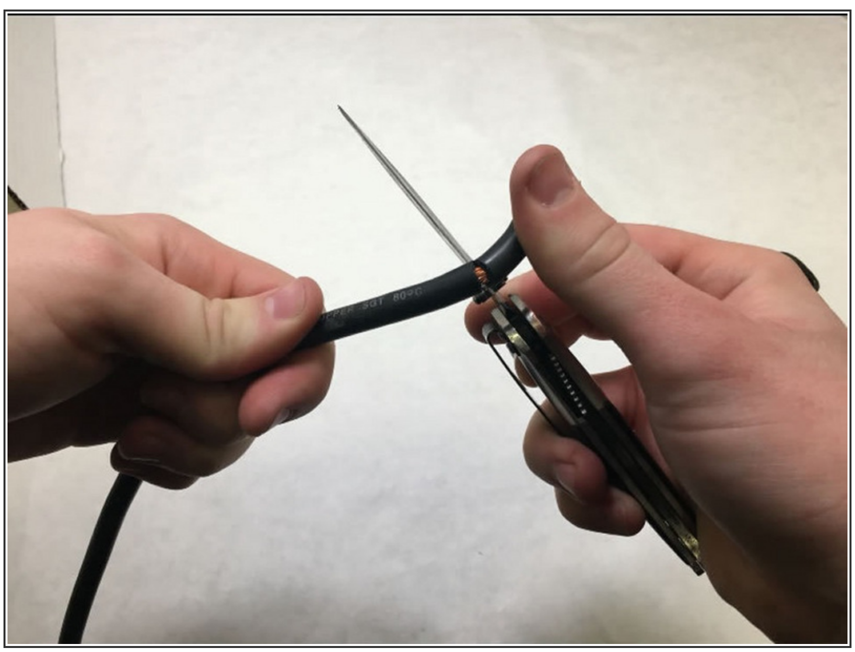
Step 1 — How to Reconnect an Alligator Clamp to a Battery Charging Cable





- Determine which handle of the alligator clamp originally secured the charging cable. (The tabs will be pressed down and there will most likely be remnants of copper strands)
- Slide the rubber grip off of the handle which did **NOT** originally secure the charging cable.

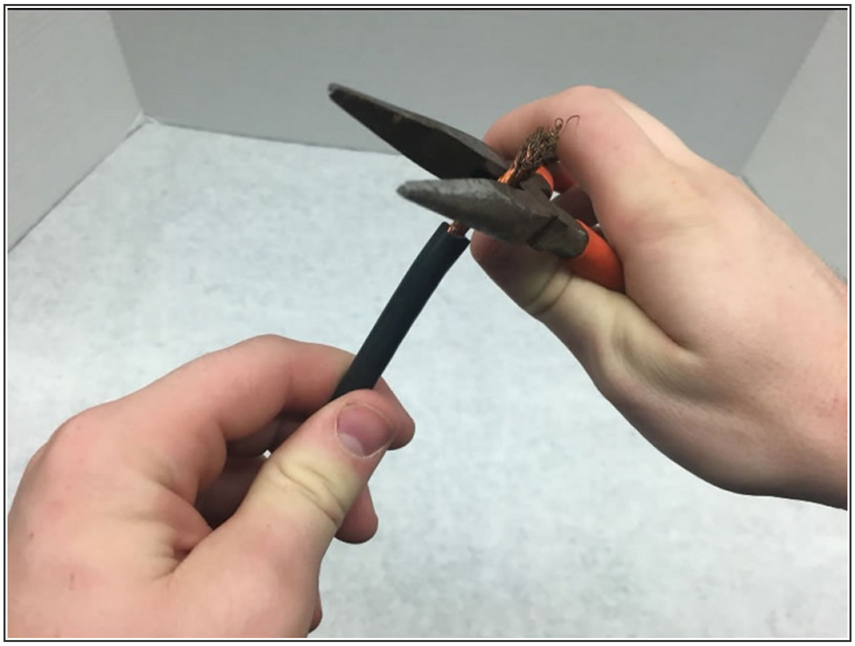
Step 2



⚠ If you use a knife, be wary of slicing your thumb if the sharp edge is faced towards you. (Use Wire Strippers if you have them)

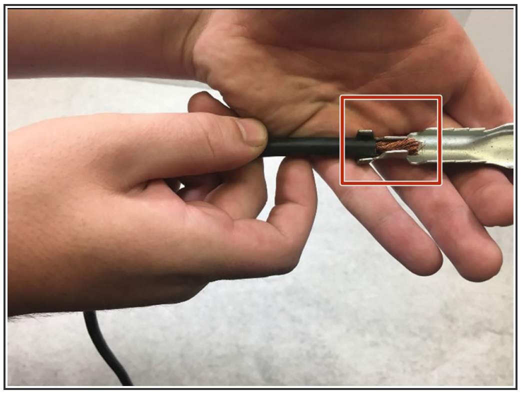
- Remove about an **inch** of insulation from the cable using a knife, a razor blade, or wire strippers.

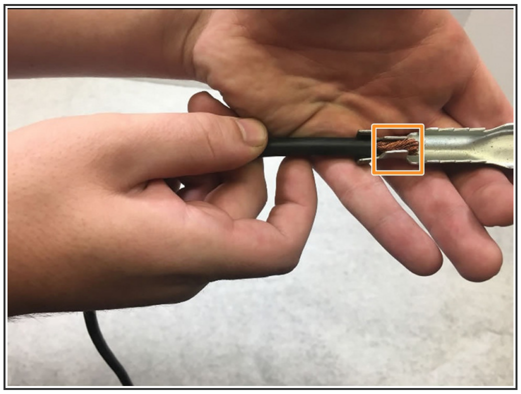
Step 3

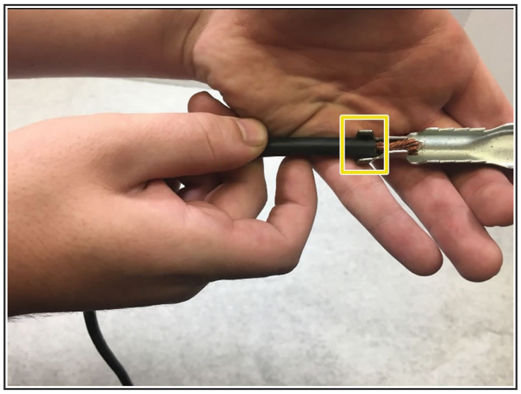


- Clip the excess frayed copper strands from the cable using the wire cutters.

Step 4







- Place the cable in the unused side of the alligator clamp.
- Place the exposed copper strands in between these two tabs.
- Make sure that the insulation covers the full area between these two tabs.

Step 5



- The harder the tabs are pressed onto the cable, the more secure the connection will be.
- Use the vice grips to press down all four tabs onto the cable.

Step 6



- Slide the rubber grip back onto the handle.

Now plug in the Battery Charger to test for continuity from the cable to the clamp, by charging a battery.

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